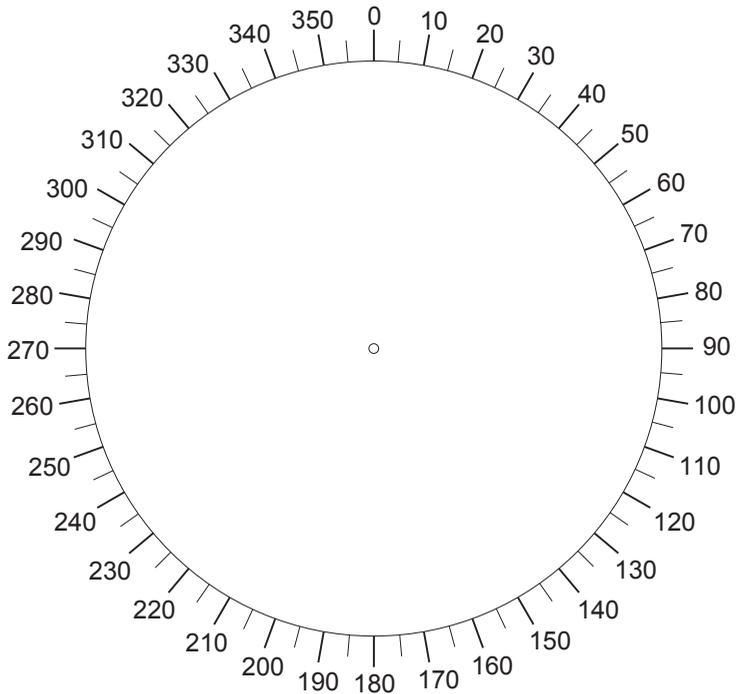


# Race Management Tools



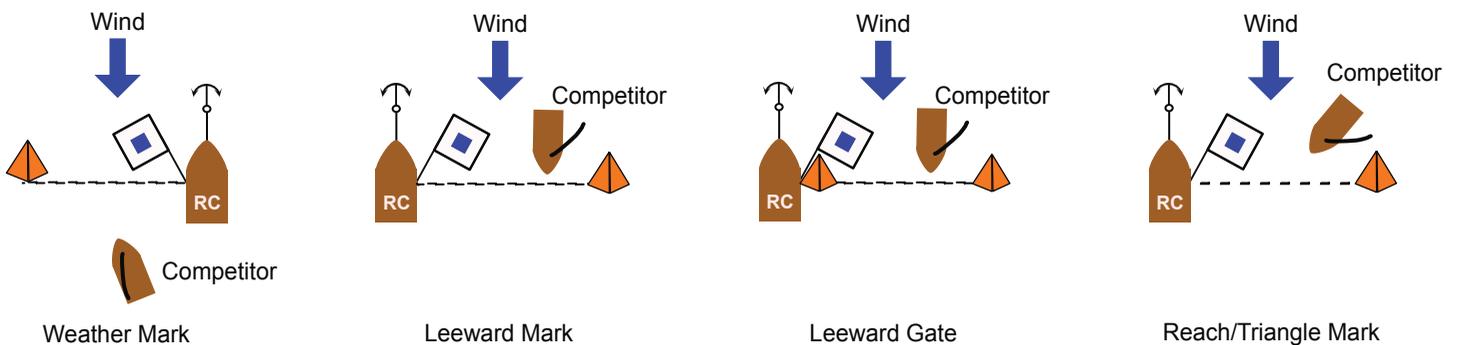
[www.catalina22.org](http://www.catalina22.org)



VHF Channels	
9	Boater Calling, Commercial/Non-Commercial
11	Commercial, VTS in Selected Areas
16	International Distress, Safety and Calling
22A	Coast Guard
68, 69, 71, 72, 78A	Recreational
13, 67	Navigational

Time to Start	Event	Visual Signal	Audible Signal
5 Minutes	Warning	   Class Flag	1 Sound
4 Minutes	Preparatory Up	 or  or  or  or  or 	1 Sound
1 Minute	Preparatory Down	Preparatory Flag Removed	1 Long Sound
0 Minutes	Start	Class Flag Removed	1 Sound

## Shorten Course for Marks That are Port Rounded



# Race Signals



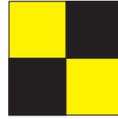
Race Committee



Orange Flag  
The staff displaying this flag is one end of the starting line



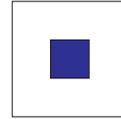
Blue Flag  
The staff displaying this flag is one end of the finishing line



L Ashore: A notice to competitors has been posted. Afloat: Come within hail or follow this vessel.



Y Wear a Personal Floatation Device (see Rule 40)



S The course has been shortened. Rule 32.2 is in effect.



Gold Fleet  
(must be specified in sailing instructions)



Silver Fleet

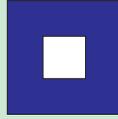


Spinnaker Fleet

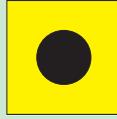
5 Min to Start ↑ ●

Start ↓ ●

## Class Flags



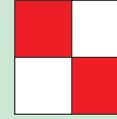
P Preparatory signal



I Rule 30.1 is in effect



Z Rule 30.2 is in effect



U Rule 30.3 is in effect



Black Flag  
Rule 30.4 is in effect

Preparatory 4 Minutes ↑ ●

1 Minute (Long Sound) ↓ ●

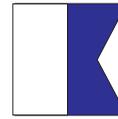
## Start Signals



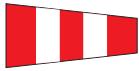
X Individual Recall  
↑ ●



First Substitute  
General recall  
The warning signal will be made 1 minute after removal  
↑ ● ● ↓ ●

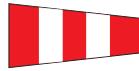


US Sailing Prescription  
Flag A displayed, with no sound, while boats are finishing means "No more racing today."  
Must be stated in Sailing Instructions.



AP Races not started are postponed. The warning signal will be made 1 minute after removal unless at that time the race is postponed again or abandoned

↑ ● ● ↓ ●



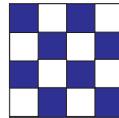
AP over over H  
Races not started are postponed. Further signals ashore.

↑ ● ●



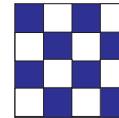
AP over A  
Races not started are postponed. No more racing today

↑ ● ●



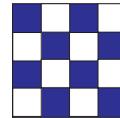
N All races that have started are abandoned. Return to the starting area. The warning signal will be made 1 minute after removal unless at that time the race is abandoned again or postponed

↑ ● ● ● ↓ ●



N over H  
All races are abandoned. Further signals ashore.

↑ ● ● ●

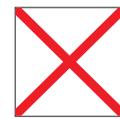


N over A  
All races are abandoned. No more racing today

↑ ● ● ●

## AP over a Numeral Pennant 1-9

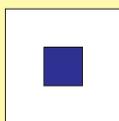
Postponement of 1-9 hours from the scheduled starting time. ↑ ● ● ↓ ●



V Monitor communication channel for safety instructions (see rule 37)

↑ ●

## Course Change Signals (Typically a Signal Made From a Mark Boat)



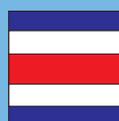
S The course has been shortened. Rule 32.2 is in effect.

● ● ↑



M The object displaying this signal replaces a missing mark

● - - - ●

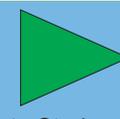


C Position of next mark has been changed

● - - - ●



or



to Starboard



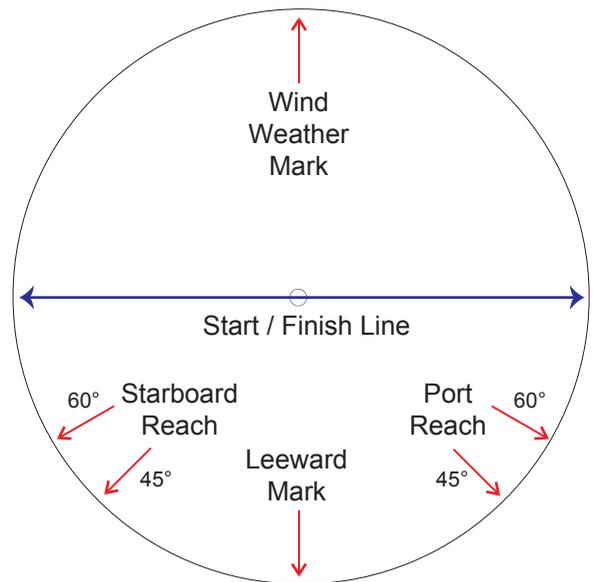
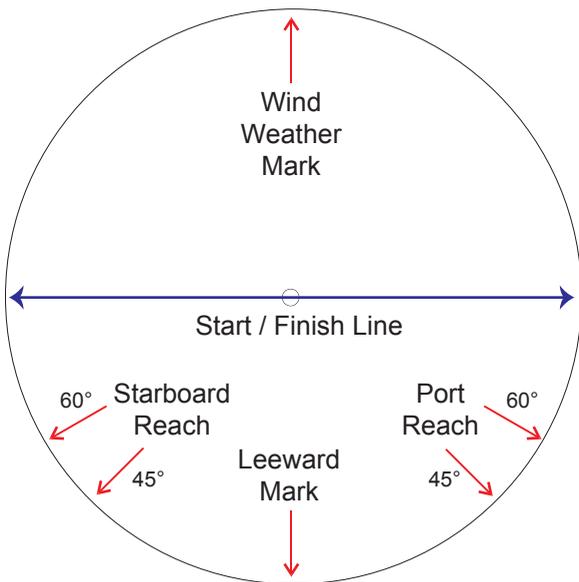
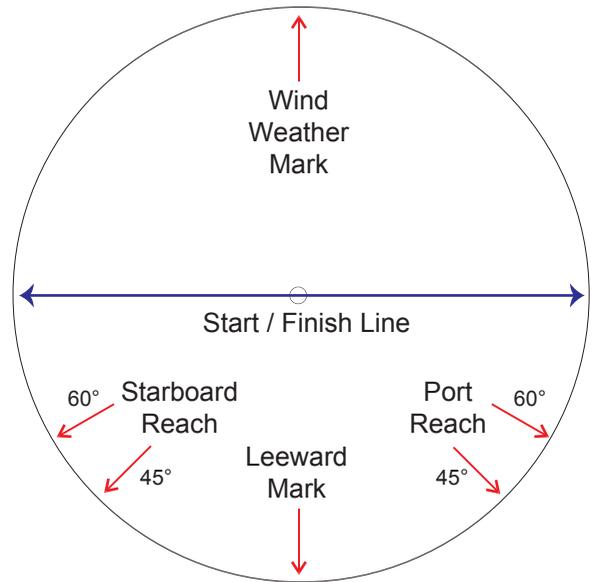
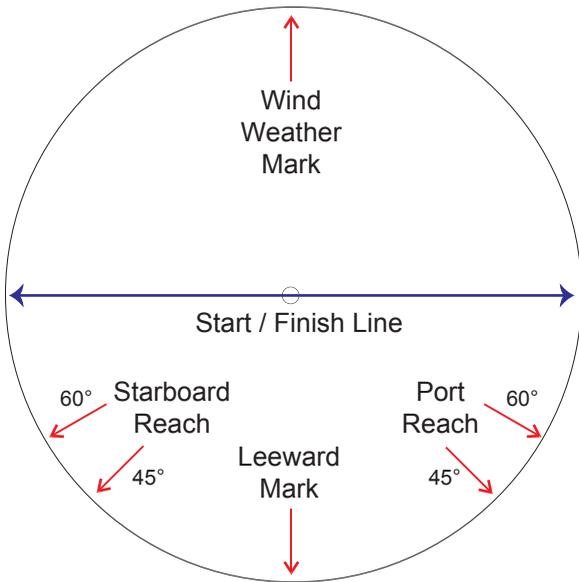
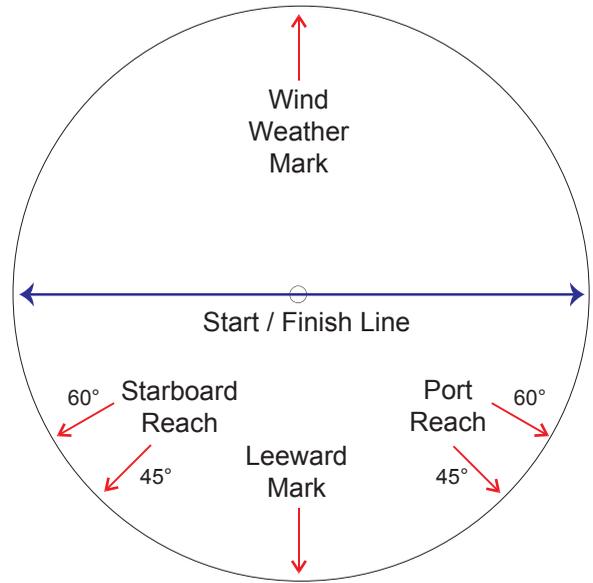
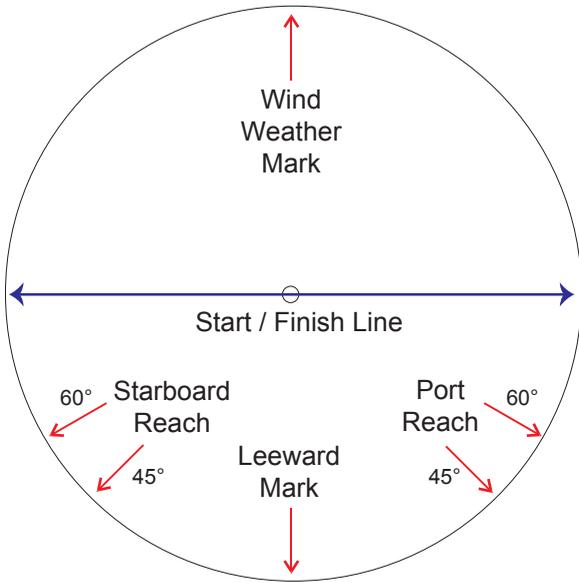
to Port



and/or Increase length of leg



Decrease length of leg

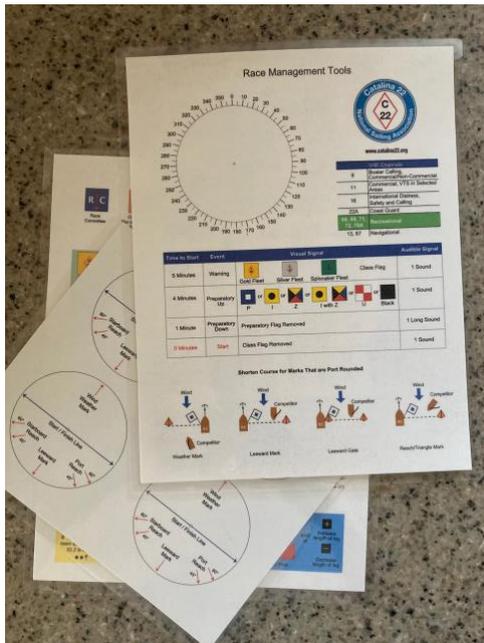


## How to Assemble Race Management Tools

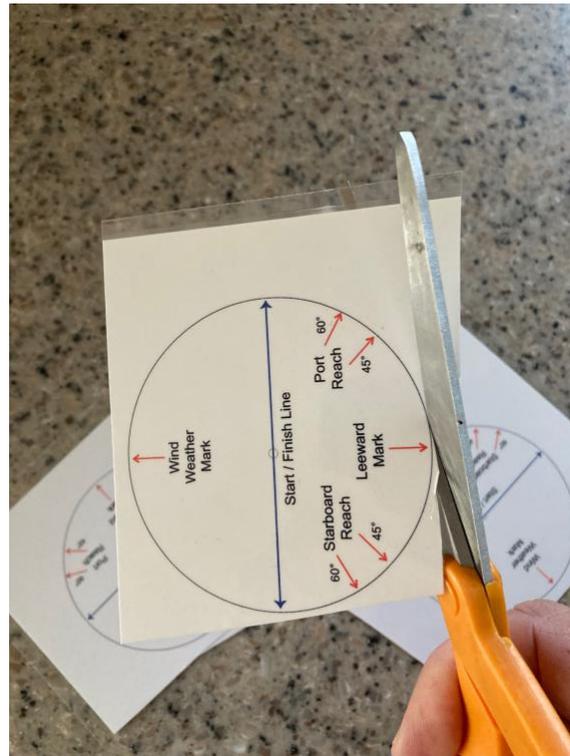
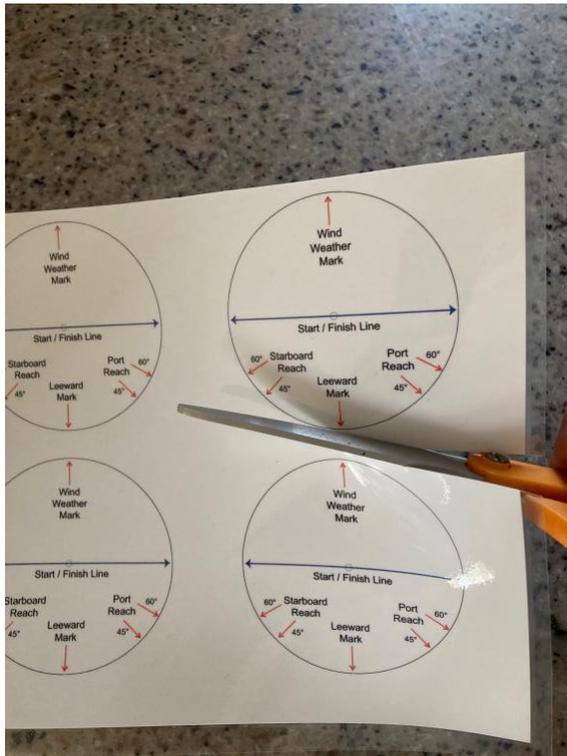
Print the page with the outer compass dial and the page with the signal flags front and back on a piece of card stock and laminate.



Print the page with six inner compass dials on a separate piece of card stock and laminate. You only need to print this page once for every six assembled Race Management Tools printed.

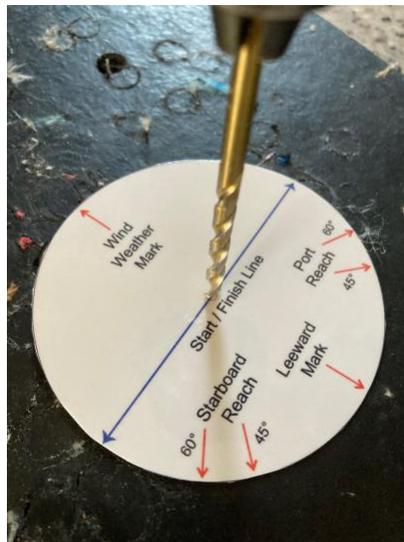
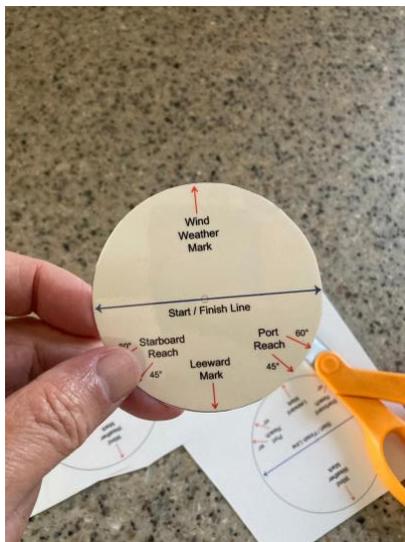


Carefully cut out the inner compass dials from the laminated card stock.

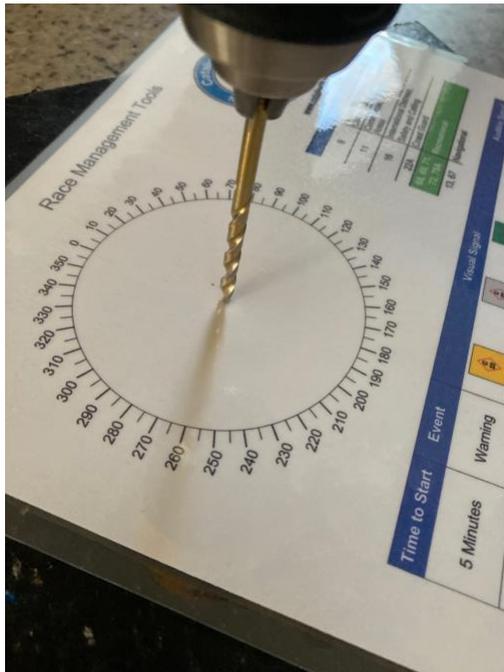


You are now ready to attach the inner compass dial to the outer compass.

Using a 5/32" drill carefully drill a hole through the center mark on the inner compass dial.



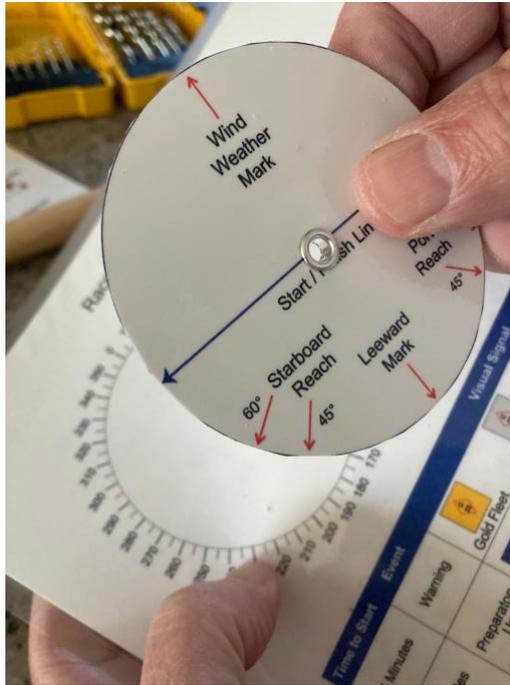
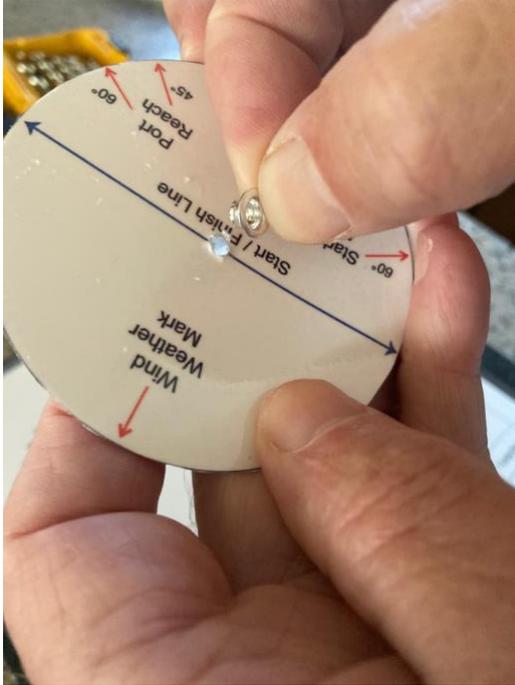
Drill a 5/32" hole through the outer compass dial on the Race Management Tools page.



I use 5/32" eyelets available at most fabric stores or online at Amazon. If you can find an Eyelet Kit like the one pictured, it will come with the fastening tool. If you cannot find the kit buy the tool separately. The kit is pictured in the left-hand photo. If you need the tool it is pictured in the right-hand photo. You can also buy eyelets without the tool if you already have one.



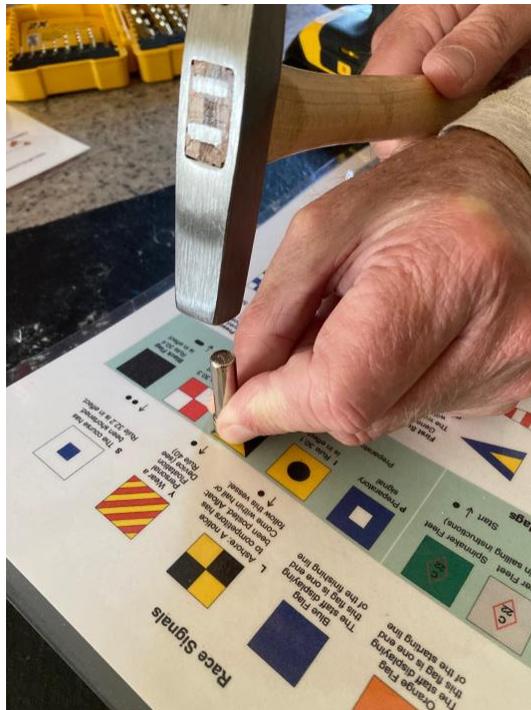
Push the eyelet through the hole in the inner compass dial. The finished side should be facing the printed side of the dial. Push the eyelet, with the inner compass dial attached, through the hole on the outer compass dial on the Race Management Tools page.



Turn the Race Management Tools page over and make sure the eyelet is all the way through the laminated card stock.



Use the eyelet attachment tool to seat the eyelet. Directions for using the tool can be found on the back of the eyelet package.



Finished product.

